

Water-Data Report 2007

02092554 TRENT RIVER AT POLLOCKSVILLE, NC

Neuse Basin
Lower Neuse Subbasin

LOCATION.--Lat 35°00'36", long 77°13'08" referenced to North American Datum of 1983, Jones County, NC, Hydrologic Unit 03020204, at downstream side of bridge on U.S. Highway 17, 0.5 mi downstream from Goshen Branch, and 0.2 mi northeast of Pollocksville.

DRAINAGE AREA.--370 mi².

SURFACE-WATER RECORDS

PERIOD OF RECORD.--July 1996 to current year.

GAGE.--Water-stage recorder and acoustic velocity meter. Datum of gage is at NGVD of 1929. Satellite telemetry at station.

REMARKS.--Records fair except those for negative daily discharges, which are poor. This site is strongly affected by both astronomical and wind tides. The astronomical tides occur at primary harmonic periods of 12.42 hours and 24.8 hours. Daily discharge data for this site may be affected by aliasing due to tides and can contain fluctuations that are not representative of net downstream discharge. Negative values represent upstream direction of flow.

EXTREMES FOR PERIOD OF RECORD.--Maximum discharge, 18,600 ft³/s, September 19, 1999, maximum gage height, 16.29 ft, September 19, 1999, from flood mark; minimum discharge, -3,560 ft³/s, September 6, 1996.

EXTREMES FOR CURRENT YEAR.--Maximum discharge, 5,090 ft³/s, November 27, maximum gage height, 5.91 ft, November 22; minimum discharge, -1,270 ft³/s, November 21.

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	October		November		December		January		February		March	
1	627	-149	713	266	3,190	2,440	2,030	1,590	1,220	33	876	-169
2	872	-244	1,150	-428	2,750	1,530	1,870	1,030	1,340	610	1,730	-172
3	510	105	1,230	-223	1,830	940	1,450	942	1,210	397	1,560	1,020
4	613	-182	833	-140	1,770	491	1,370	890	1,250	772	1,470	580
5	466	-541	667	-116	1,200	460	1,180	832	1,320	520	1,240	572
6	948	-554	916	-177	1,010	321	1,590	893	1,340	469	1,260	-312
7	641	-317	837	-181	919	376	1,810	1,160	1,360	478	1,270	310
8	674	-593	1,120	499	932	-333	1,980	1,450	1,370	593	1,040	-350
9	1,060	-535	1,230	521	735	234	1,990	1,430	1,110	314	902	148
10	1,110	-403	1,190	663	665	331	1,850	1,190	997	313	854	237
11	814	124	1,130	531	598	97	1,550	1,120	820	125	846	-356
12	787	-270	1,430	661	609	54	1,470	1,010	695	238	929	-364
13	1,080	-484	1,130	237	626	87	1,250	842	701	-37	787	30
14	809	-228	1,190	695	560	8.5	1,100	702	919	-231	624	96
15	700	-143	1,180	657	568	66	927	527	796	-25	763	-80
16	811	-400	1,420	571	614	-99	884	-476	922	-38	976	-415
17	855	-218	1,160	393	628	-73	1,010	-358	783	53	825	-190
18	657	-375	1,490	211	501	8.3	924	95	916	92	909	-211
19	749	-284	1,190	742	755	-313	918	-97	916	-133	845	-37
20	851	-302	1,110	366	706	-273	970	-208	762	7.6	624	-57
21	725	-455	1,060	-1,270	651	-165	785	-149	562	-160	934	-406
22	818	-312	3,360	892	606	-144	1,110	245	806	-208	597	8.3
23	684	-488	3,870	2,940	1,650	457	1,120	523	764	-328	626	-113
24	619	-346	3,980	3,220	1,610	334	1,100	496	648	-148	596	-185
25	695	-205	4,510	3,380	1,960	788	1,150	537	856	-406	780	-659
26	680	-372	4,940	4,070	2,100	1,470	1,190	57	778	-358	930	-173
27	603	-172	5,090	4,120	2,150	1,490	1,130	526	772	-484	581	-87
28	873	-15	5,020	3,920	2,210	1,690	1,120	322	964	-287	520	-560
29	1,040	8.9	4,360	3,270	2,200	1,750	1,110	-71	---	---	1,150	-488
30	886	257	3,860	2,860	2,250	1,740	885	432	---	---	698	-315
31	655	321	---	---	2,070	1,530	1,050	-160	---	---	635	-169
Month	1,110	-593	5,090	-1,270	3,190	-333	2,030	-476	1,370	-484	1,730	-659

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DISCHARGE, CUBIC FEET PER SECOND
WATER YEAR OCTOBER 2006 TO SEPTEMBER 2007

Day	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min	Max	Min
	April		May		June		July		August		September	
1	572	-258	623	-247	590	-289	504	-567	763	-300	802	-662
2	626	-457	688	-446	501	-346	661	-235	810	-346	721	-738
3	723	-575	690	-553	933	-827	569	-315	631	-208	752	-322
4	627	-151	1,050	-389	847	-516	682	-139	577	-417	594	-309
5	756	-799	683	-124	695	-354	578	-232	608	-322	602	-390
6	484	-502	643	-982	550	-518	581	-325	757	-442	583	-444
7	933	-478	923	-774	883	-519	847	-588	618	-172	578	-401
8	556	-435	1,020	-368	771	-395	579	-290	627	-393	538	-351
9	512	-412	926	-434	561	-530	766	-316	497	-332	973	-298
10	731	-350	725	-304	746	-698	931	-452	933	-510	703	-614
11	727	-400	678	-228	765	-358	775	-511	657	-599	591	-435
12	736	-299	829	-347	656	-270	815	-429	638	-346	699	-563
13	605	-479	906	-612	859	-655	757	-356	633	-382	681	-595
14	663	-567	1,080	9.3	648	-590	649	-397	510	-387	678	-483
15	1,700	-328	1,010	517	759	-596	571	-370	693	-300	613	-572
16	1,570	590	907	20	796	-419	815	-347	587	-237	682	-542
17	1,170	-96	581	-369	736	-451	642	-480	774	-506	526	-559
18	1,090	-321	648	-160	741	-261	580	-445	509	-689	974	-547
19	1,150	-3.4	868	-200	576	-355	767	-261	526	-364	781	-444
20	1,380	-17	718	-300	672	-759	733	-676	583	-420	818	-473
21	1,330	288	610	-830	787	-641	685	-728	812	-408	884	-556
22	1,200	354	982	-217	698	-507	868	-661	812	-642	866	-398
23	972	415	775	-445	642	-800	827	-320	674	-699	740	-623
24	707	-246	719	-283	644	-340	657	-303	635	-218	845	-539
25	767	-128	632	-298	686	-333	586	-383	672	-401	643	-387
26	898	-350	686	-167	771	-186	797	-340	656	-367	641	-272
27	705	-262	672	-271	680	-226	757	-323	711	-410	727	-456
28	603	-524	442	-282	699	-324	690	-589	818	-722	688	-419
29	831	-564	401	-408	724	-552	672	-395	705	-405	593	-766
30	788	-253	680	-541	700	-477	930	-634	735	-255	797	-561
31	---	---	629	-340	---	---	760	-411	592	-274	---	---
Month	1,700	-799	1,080	-982	933	-827	931	-728	933	-722	974	-766

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